

# Ningbo Beilun Highsun Machinery Co., Ltd.

## [HXF Fixed Pump Injection Molding Machine](#)



Machine advantages:

### 1. Clamping Unit

Reliable design with 5 pivot diagonal toggles

Twin-cabinet structure with high rigidity

Automatically adjusting the position of mould

### 2. Injection Unit

According to the product production needs, free choosing different diameters of screws

control the charge back pressure through a pressure valve

Matching accumulator as to promote the injection performance

### 2. Control System

Configured with imported hydraulic and electrical components of high quality

## [HXM servo Injection Molding Machine](#)



High quality features

The “new breakthrough” of the hydraulic injection molding machine has

realized “pressure valve ring control” and “energy supply and demand matching”, leading the injection molding machine in order to develop the trend!

Pressure valve ring control: The actual pressure is compared with the set pressure in real time and corrected until the actual pressure is equal to the set pressure.

Matching energy supply and demand: How much energy does the injection molding machine do, how much energy the power system provides, and very little energy loss.

Super energy saving

40% more energy efficient than the variable pump system. 60% energy saving than the fixed pump + fixed speed motor (depending on the product can not save energy).

High precision, high response

The high-precision, high-sensitivity pressure sensor and rotary encoder realize closed-loop control of pressure and flow, and the repeat progress error is less than 1%. The servo motor reaches the maximum output power in only 0.05 seconds.

low noise

The noise value is within 78db. When the machine is not moving, the servo motor stops almost no noise.

Save cooling water

Overflow heating of the non-quantitative pump + fixed speed motor system. Low temperature of hydraulic oil, greatly reducing the amount of cooling water.

New clamping structure

The involute five-point elbow type clamping mechanism, the connecting rod and template of the cast-connected structure strengthened by finite element analysis effectively reduce the stress and deformation, and improve the rigidity and precision of the clamping part.